

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN103124\  
 Data File : BN034795.D  
 Acq On : 01 Nov 2024 09:20  
 Operator : RC/JU  
 Sample : P4529-17  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F7H45

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/04/2024  
 Supervised By :mohammad ahmed 11/05/2024

Quant Time: Nov 03 23:25:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN103124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 31 11:13:08 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.600  | 152  | 8341     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.366 | 136  | 26522    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.231 | 164  | 15130    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.979 | 188  | 30730    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.168 | 240  | 21696    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.349 | 264  | 17478m   | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.170  | 96   | 35880    | 4.156 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.961 | 152  | 9399     | 0.283 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.009 | 212  | 18651    | 0.264 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 10) Acenaphthylene          | 13.949 | 152  | 3395     | 0.049 | ng/ul# | 94       |
| 15) Phenanthrene            | 17.017 | 178  | 3342     | 0.036 | ng/ul# | 93       |
| 16) Anthracene              | 17.110 | 178  | 4352     | 0.051 | ng/ul# | 94       |
| 19) Fluoranthene            | 19.037 | 202  | 21088    | 0.200 | ng/ul  | 96       |
| 20) Pyrene                  | 19.404 | 202  | 21787m   | 0.199 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.154 | 228  | 9189m    | 0.106 | ng/ul  |          |
| 22) Chrysene                | 21.204 | 228  | 19016    | 0.219 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.700 | 252  | 31287m   | 0.440 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.741 | 252  | 10431m   | 0.145 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.255 | 252  | 11777m   | 0.192 | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 25.520 | 276  | 7691m    | 0.118 | ng/ul  |          |
| 28) Dibenzo(a,h)anthracene  | 25.530 | 278  | 1952m    | 0.040 | ng/ul  |          |
| 29) Benzo(g,h,i)perylene    | 26.181 | 276  | 6529m    | 0.127 | ng/ul  |          |
| -----                       |        |      |          |       |        |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

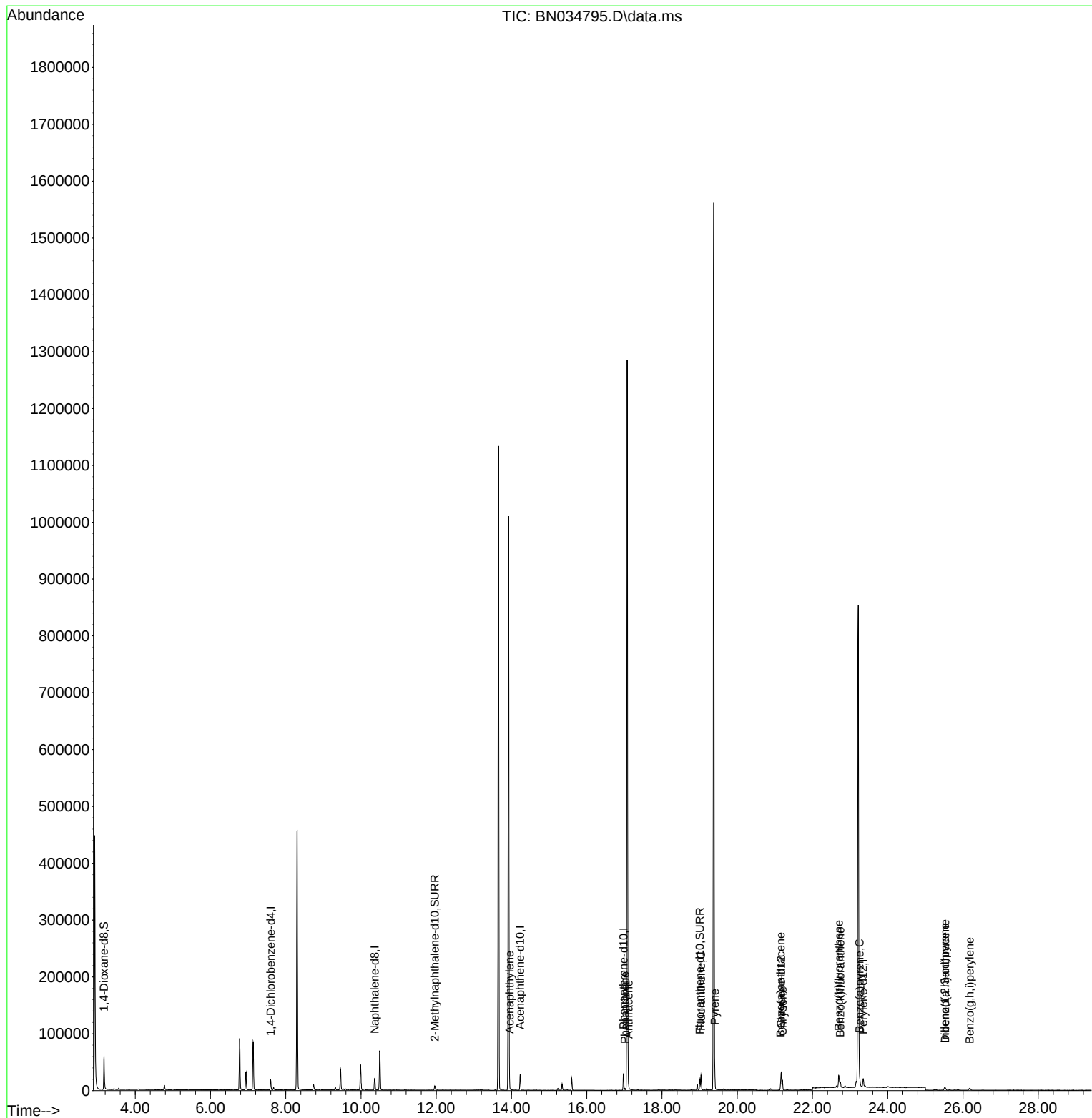
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN103124\  
Data File : BN034795.D  
Acq On : 01 Nov 2024 09:20  
Operator : RC/JU  
Sample : P4529-17  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

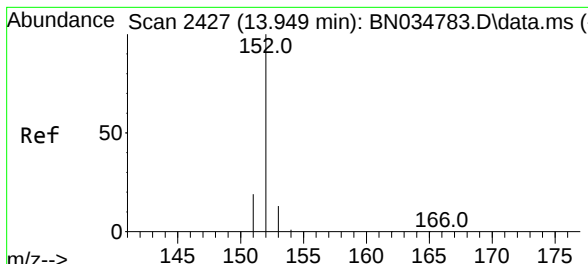
Instrument :  
BNA\_N  
ClientSampleId :  
F7H45

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/05/2024

Quant Time: Nov 03 23:25:44 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN103124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 31 11:13:08 2024  
Response via : Initial Calibration



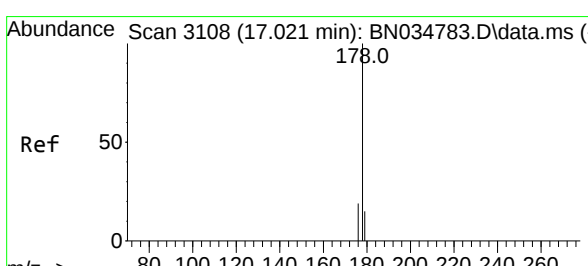
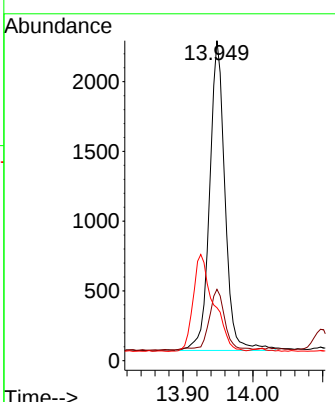
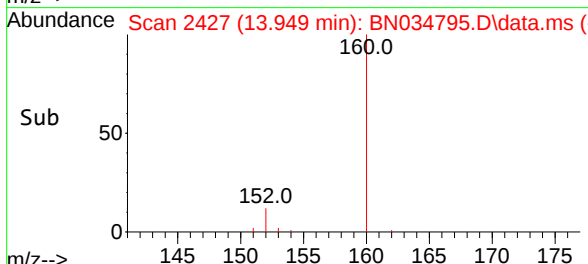
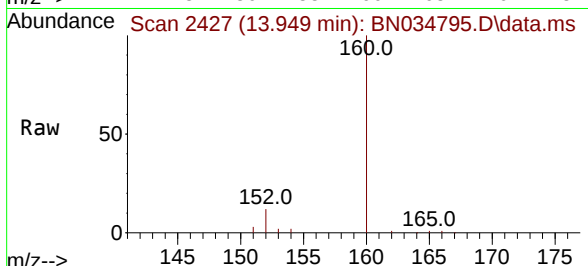


#10  
 Acenaphthylene  
 Concen: 0.049 ng/ul  
 RT: 13.949 min Scan# 2427  
 Delta R.T. -0.005 min  
 Lab File: BN034795.D  
 Acq: 01 Nov 2024 09:20

Instrument : BNA\_N  
 ClientSampleId : F7H45

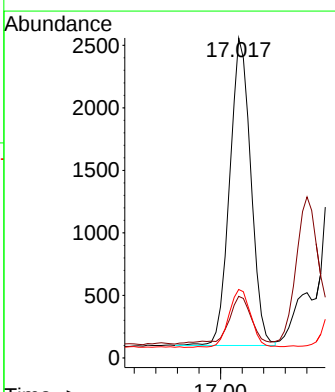
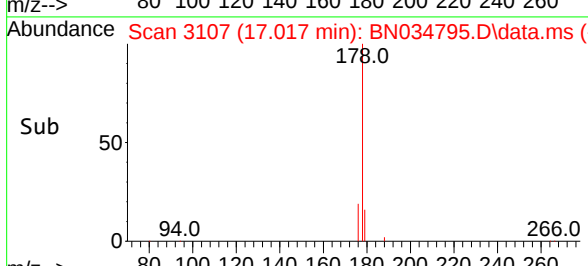
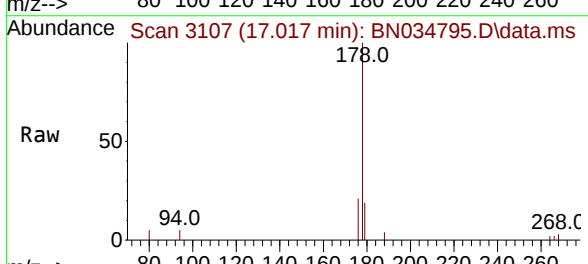
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 152   | Resp: | 3398 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 22.3  | 16.0  | 24.0 |
| 153       | 16.5  | 10.7  | 16.1 |

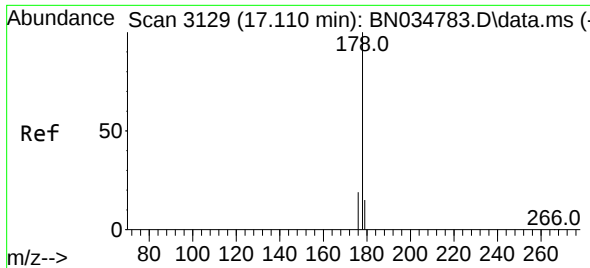
Manual Integrations  
**APPROVED**  
 Reviewed By :Yogesh Patel 11/04/2024  
 Supervised By :mohammad ahmed 11/05/2024



#15  
 Phenanthrene  
 Concen: 0.036 ng/ul  
 RT: 17.017 min Scan# 3107  
 Delta R.T. -0.009 min  
 Lab File: BN034795.D  
 Acq: 01 Nov 2024 09:20

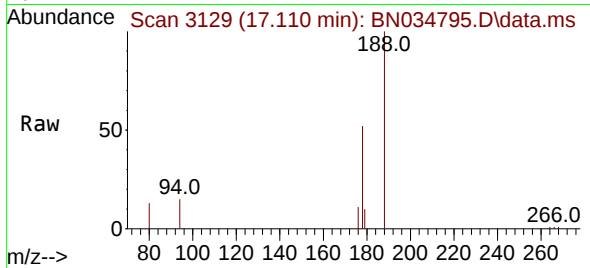
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 3342 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 19.2  | 12.4  | 18.6 |
| 176       | 21.4  | 15.4  | 23.0 |





#16  
 Anthracene  
 Concen: 0.051 ng/ul  
 RT: 17.110 min Scan# 3129  
 Delta R.T. -0.005 min  
 Lab File: BN034795.D  
 Acq: 01 Nov 2024 09:20

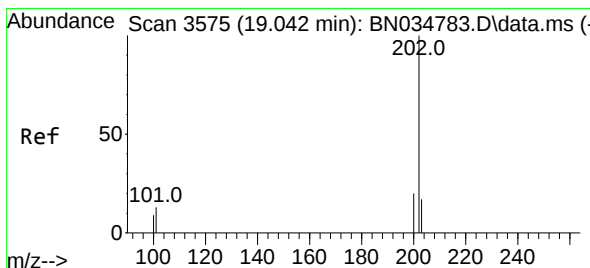
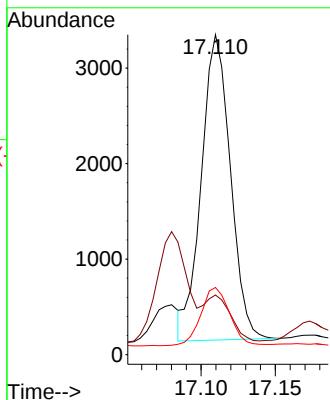
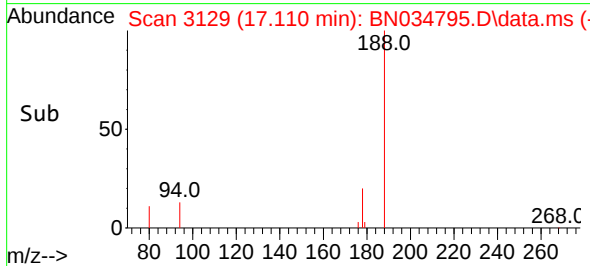
Instrument :  
 BNA\_N  
 ClientSampleId :  
 F7H45



Tgt Ion:178 Resp: 4352  
 Ion Ratio Lower Upper  
 178 100  
 179 18.7 12.3 18.5  
 176 21.0 15.1 22.7

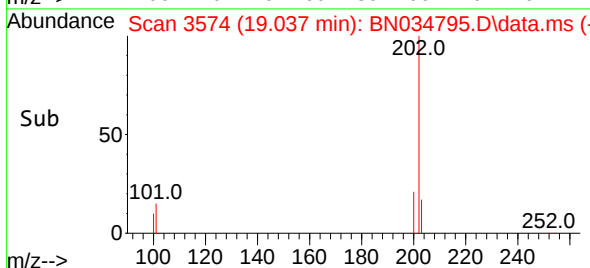
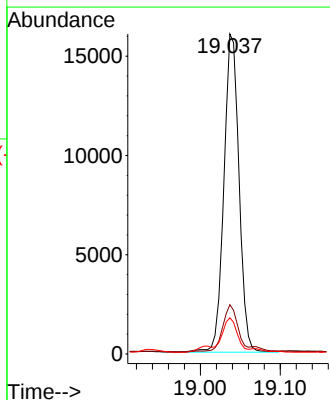
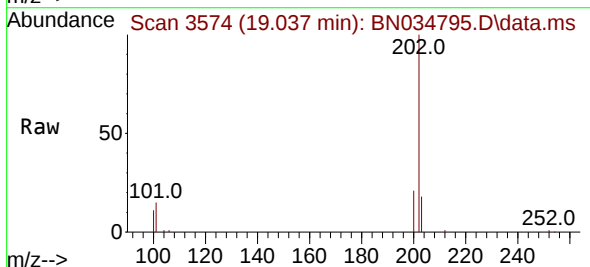
Manual Integrations  
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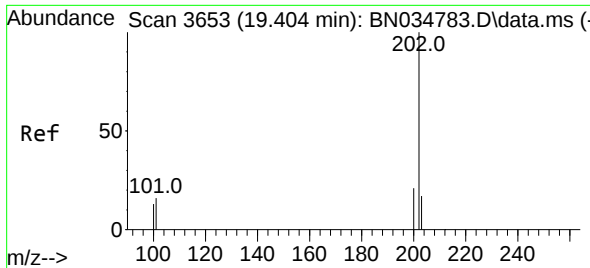
Reviewed By :Yogesh Patel 11/04/2024  
 Supervised By :mohammad ahmed 11/05/2024



#19  
 Fluoranthene  
 Concen: 0.200 ng/ul  
 RT: 19.037 min Scan# 3574  
 Delta R.T. -0.010 min  
 Lab File: BN034795.D  
 Acq: 01 Nov 2024 09:20

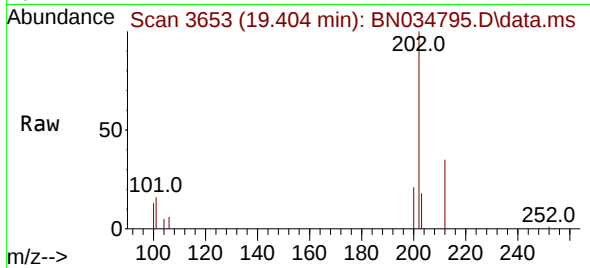
Tgt Ion:202 Resp: 21088  
 Ion Ratio Lower Upper  
 202 100  
 101 15.4 10.8 16.2  
 100 11.3 8.2 12.2





#20  
Pyrene  
Concen: 0.199 ng/ul m  
RT: 19.404 min Scan# 3653  
Delta R.T. -0.005 min  
Lab File: BN034795.D  
Acq: 01 Nov 2024 09:20

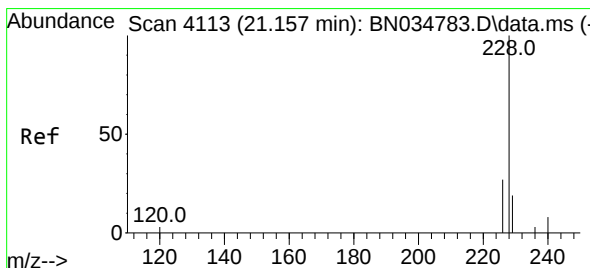
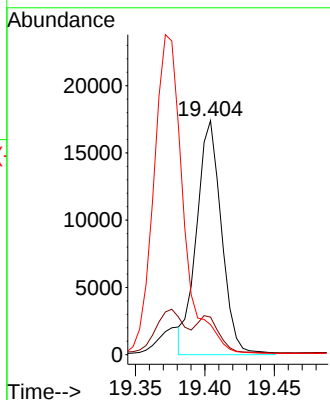
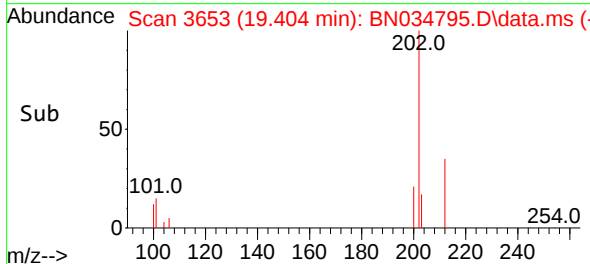
Instrument :  
BNA\_N  
ClientSampleId :  
F7H45



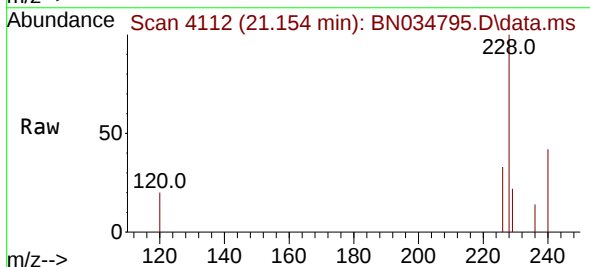
Tgt Ion:202 Resp: 2178  
Ion Ratio Lower Upper  
202 100  
101 16.0 12.4 18.6  
100 12.9 10.0 15.0

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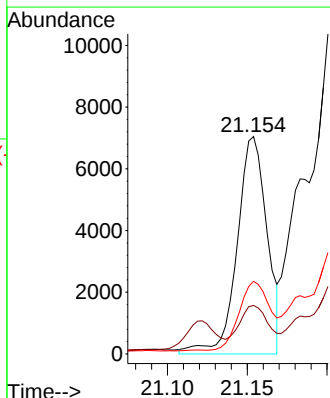
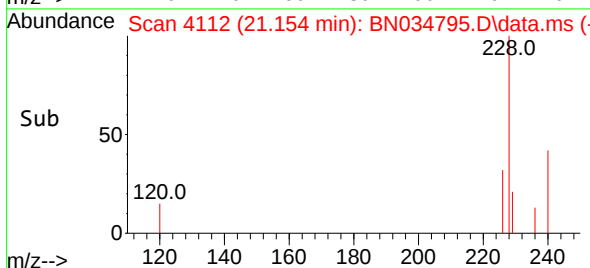
Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/05/2024

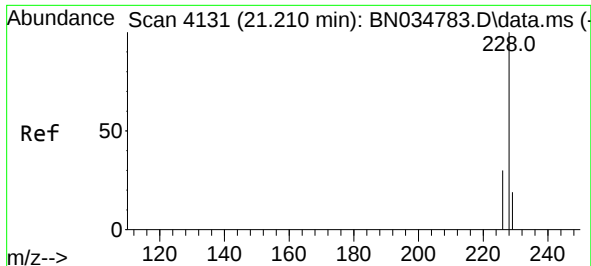


#21  
Benzo(a)anthracene  
Concen: 0.106 ng/ul m  
RT: 21.154 min Scan# 4112  
Delta R.T. -0.006 min  
Lab File: BN034795.D  
Acq: 01 Nov 2024 09:20



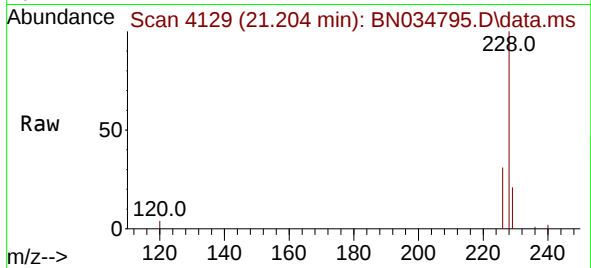
Tgt Ion:228 Resp: 9189  
Ion Ratio Lower Upper  
228 100  
229 22.3 15.5 23.3  
226 33.4 22.1 33.1#





#22  
Chrysene  
Concen: 0.219 ng/ul  
RT: 21.204 min Scan# 4131  
Delta R.T. -0.009 min  
Lab File: BN034795.D  
Acq: 01 Nov 2024 09:20

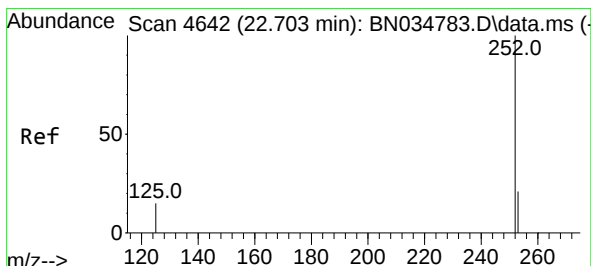
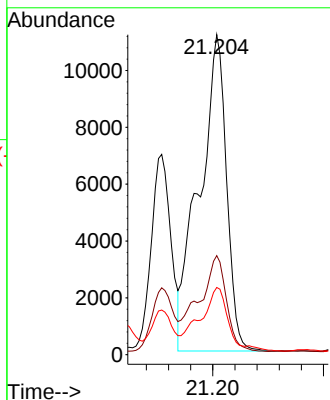
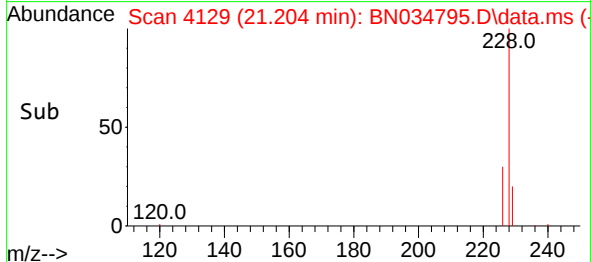
Instrument :  
BNA\_N  
ClientSampleId :  
F7H45



Tgt Ion:228 Resp: 19010  
Ion Ratio Lower Upper  
228 100  
226 30.9 24.3 36.5  
229 21.0 15.6 23.4

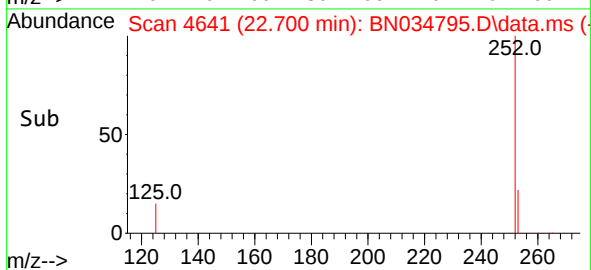
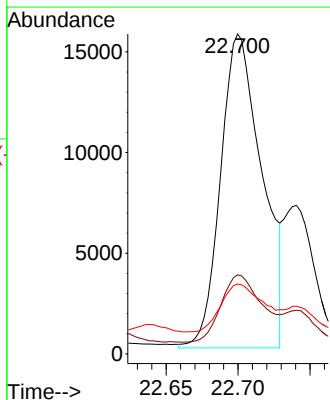
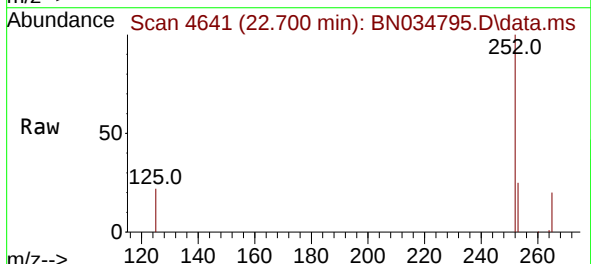
Manual Integrations  
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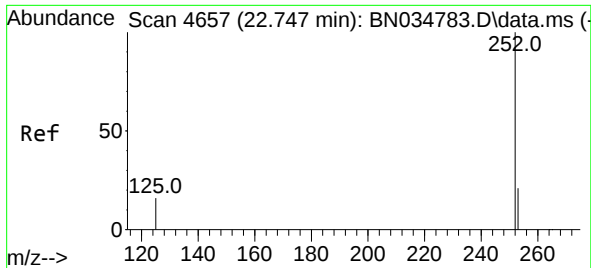
Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/05/2024



#24  
Benzo(b)fluoranthene  
Concen: 0.440 ng/ul m  
RT: 22.700 min Scan# 4641  
Delta R.T. -0.009 min  
Lab File: BN034795.D  
Acq: 01 Nov 2024 09:20

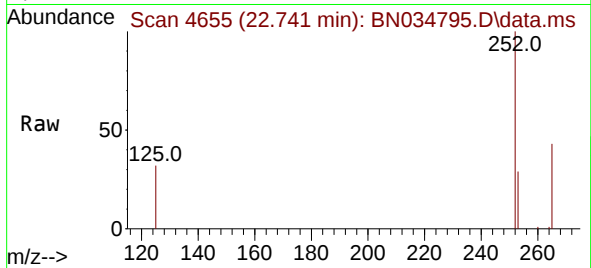
Tgt Ion:252 Resp: 31287  
Ion Ratio Lower Upper  
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253 24.8 0.0 47.6  
125 21.9 0.0 41.4





#25  
Benzo(k)fluoranthene  
Concen: 0.145 ng/ul m  
RT: 22.741 min Scan# 4655  
Delta R.T. -0.009 min  
Lab File: BN034795.D  
Acq: 01 Nov 2024 09:20

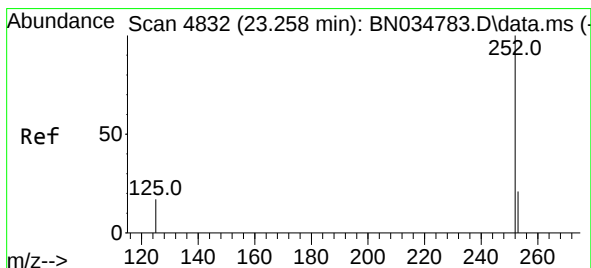
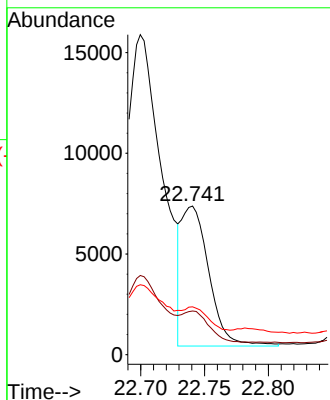
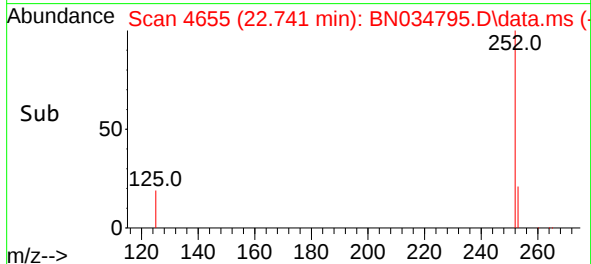
Instrument :  
BNA\_N  
ClientSampleId :  
F7H45



Tgt Ion:252 Resp: 1043  
Ion Ratio Lower Upper  
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253 29.4 19.1 28.7  
125 32.2 17.0 25.4

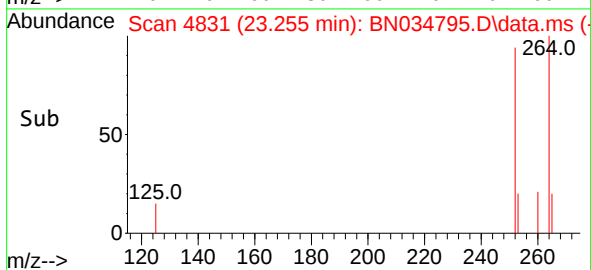
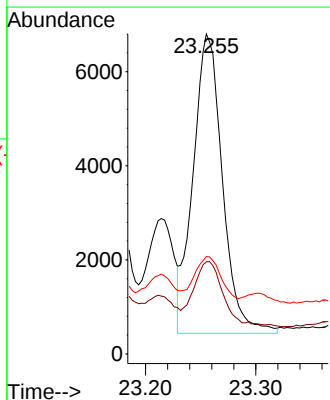
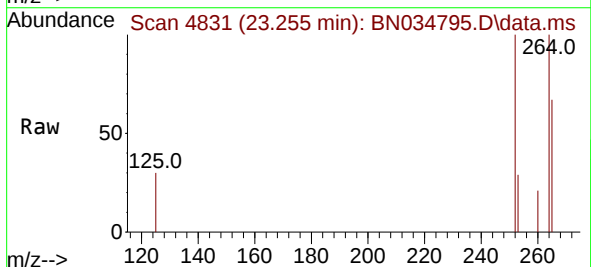
Manual Integrations  
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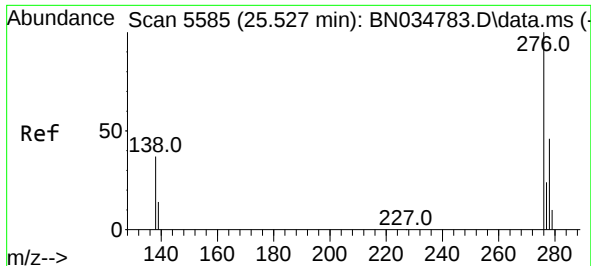
Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/05/2024



#26  
Benzo(a)pyrene  
Concen: 0.192 ng/ul m  
RT: 23.255 min Scan# 4831  
Delta R.T. -0.009 min  
Lab File: BN034795.D  
Acq: 01 Nov 2024 09:20

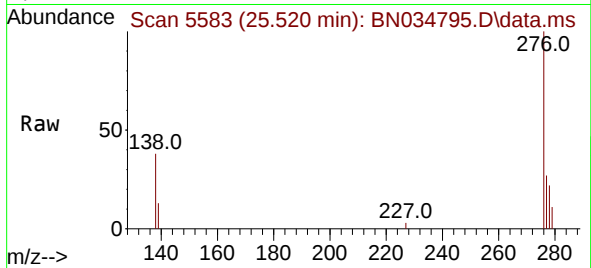
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Ion Ratio Lower Upper  
252 100  
253 28.8 20.0 30.0  
125 30.5 19.8 29.6





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.118 ng/ul m  
RT: 25.520 min Scan# 5585  
Delta R.T. -0.017 min  
Lab File: BN034795.D  
Acq: 01 Nov 2024 09:20

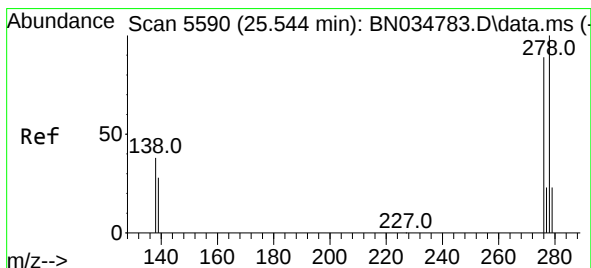
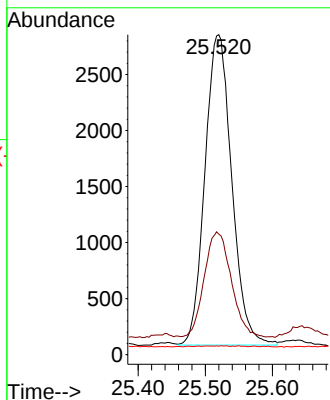
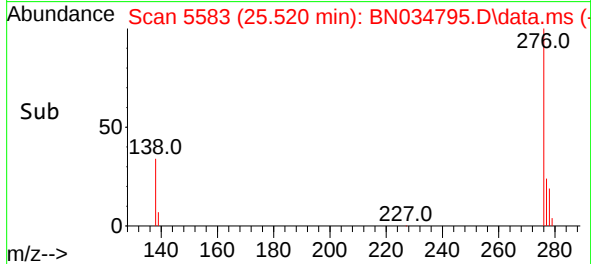
Instrument :  
BNA\_N  
ClientSampleId :  
F7H45



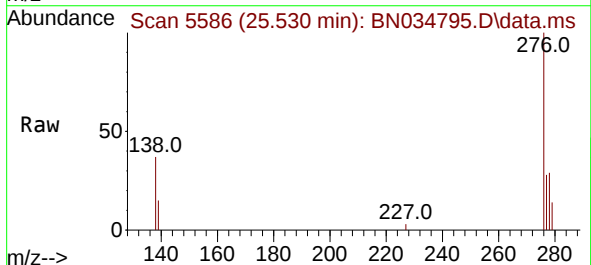
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Ion Ratio Lower Upper  
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138 4.0 31.8 47.6  
227 0.0 0.2 0.4

Manual Integrations  
APPROVED

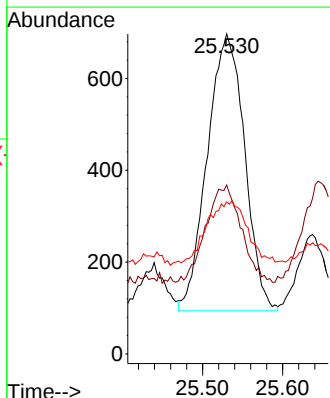
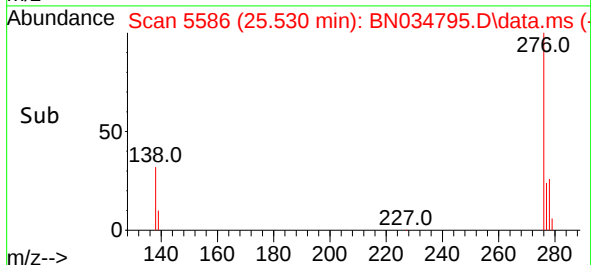
Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/05/2024

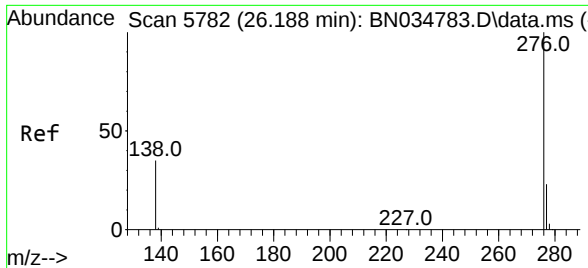


#28  
Dibenzo(a,h)anthracene  
Concen: 0.040 ng/ul m  
RT: 25.530 min Scan# 5586  
Delta R.T. -0.024 min  
Lab File: BN034795.D  
Acq: 01 Nov 2024 09:20



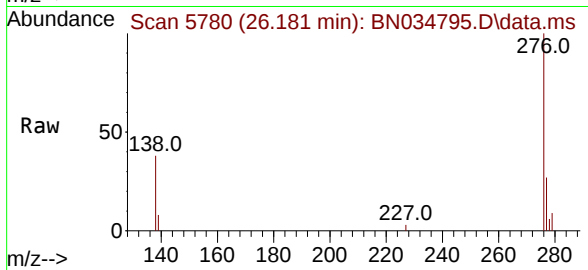
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Ion Ratio Lower Upper  
278 100  
139 52.8 23.4 35.2#  
279 47.5 20.6 31.0#





#29  
Benzo(g,h,i)perylene  
Concen: 0.127 ng/ul m  
RT: 26.181 min Scan# 51  
Delta R.T. -0.014 min  
Lab File: BN034795.D  
Acq: 01 Nov 2024 09:20

Instrument :  
BNA\_N  
ClientSampleId :  
F7H45



Tgt Ion:276 Resp: 6529  
Ion Ratio Lower Upper  
276 100  
138 38.4 28.8 43.2  
277 27.2 20.2 30.2

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/05/2024

